IN THE CLAIMS:

1. (Original) A spine stabilization system, comprising:

an implant having a first end and an opposite second end, at least a portion of one of said first and second ends positioned in a tunnel formed in a first vertebral body; and

at least one anchor engaged to the first vertebral body attaching said one end of said implant to the first vertebral body.

- 2. (Original) The system of claim 1, wherein said at least one anchor is embedded in the tunnel.
- 3. (Original) The system of claim 1, wherein the other of said first and second ends of said implant is embedded in a second tunnel formed in a second vertebral body and further comprising a second anchor engaged to the second vertebral body attaching said implant to the second vertebral body.
- 4. (Original) The system of claim 3, further comprising a device positioned in a spinal disc space between the first vertebral body and the second vertebral body.
- 5. (Original) The system of claim 1, wherein the tunnel forms an angle relative to the axial plane of the spinal column in the range of 0 degrees to 80 degrees.
- 6. (Original) The system of claim 5, wherein said angle is in the range of about 25 degrees to about 65 degrees.
- 7. (Original) The system of claim 1, wherein said at least one anchor is selected from the group consisting of: an interference screw, a suture anchor, a button, a spiked washer, and a pin fastener.
 - 8. (Original) The system of claim 3, wherein said implant is an artificial ligament.

9. (Original) The system of claim 8, wherein said artificial ligament extends along the

anterior faces of the first vertebral body and the second vertebral body.

10. (Original) The system of claim 8, wherein said artificial ligament extends along the

lateral faces of the first vertebral body and the second vertebral body.

11. (Original) The system of claim 8, wherein said artificial ligament extends between a

pedicle of the first vertebral body and a pedicle of the second vertebral body.

12. (Original) The system of claim 8, wherein said artificial ligament comprises a

synthetic resorbable material selected from the group consisting of: polylactide, polyglycolide,

tyrosine-derived polycarbonate, polyanhydride, polyorthoester, polyphosphazene, calcium

phosphate, hydroxyapatite, bioactive glass and combinations thereof.

13. (Original) The system of claim 8, wherein said artificial ligament comprises a natural

resorbable material selected from the group consisting of: autograft, allograft, xenograft, soft

tissues, connective tissues, demineralized bone matrix, and combinations thereof.

14. (Original) The system of claim 8, wherein said artificial ligament comprises a

nonresorbable material selected from the group consisting of: polyethylene, polyester, polyvinyl

alcohol, polyacrylonitrile, polyamide, polytetrafluorethylene, poly-paraphenylene

terephthalamide, cellulose, shape-memory alloys, titanium, titanium alloys, stainless steel, and

combinations thereof.

15. (Original) The system of claim 1, wherein said at least one anchor is positioned in a

second tunnel that intersects the tunnel in which said one end of said implant is positioned.

16. (Original) The system of claim 15, wherein the tunnel extends from an anterior face

of the first vertebral body and the second tunnel extends from a lateral face of the first vertebral

body.

17. (Original) The system of claim 15, wherein the tunnel extends from an anterior face

of the first vertebral body and the second tunnel extends from an antero-lateral face of the first

vertebral body.

18. (Original) The system of claim 17, wherein the tunnel is curved toward the second

tunnel and the second tunnel extends obliquely relative to the saggital plane.

19. (Original) The system of claim 15, wherein:

the tunnel extends from an anterior face of the first vertebral body adjacent one vertebral

endplate at a first angle relative to the axial plane of the spinal column; and

the second tunnel extends from the anterior face of the first vertebral body adjacent the

other endplate at a second angle relative to the axial plane of the spinal column.

20. (Original) The system of claim 19, wherein said first angle and said second angle are

equal.

21. (Original) The system of claim 1, wherein:

the tunnel extends through the first vertebral body from a first opening adjacent one

endplate of the first vertebral body to a second opening adjacent the other endplate of the first

vertebral body; and

said one end of said implant extends from the first opening through the tunnel and is

attached to the first vertebral body at the second opening with said at least one anchor.

22. (Original) The system of claim 21, wherein said at least one anchor is a button

positioned against the first vertebral body at the second opening.

23. (Original) The system of claim 21, wherein said first opening opens at the one

vertebral endplate.

24. (Original) The system of claim 1, further comprising:

a second implant having a first end and an opposite second end, at least a portion of said first and second ends of the second implant positioned in a second tunnel formed in the first vertebral body; and

a second anchor engaged to the first vertebral body attaching said second implant to the first vertebral body.

25. (Original) The system of claim 24, wherein:

said implant is attached along the anterior face of the first vertebral body on one side of the sagittal plane; and

said second implant is attached along the anterior face of the first vertebral body on the other side of the sagittal plane.

26. (Original) The system of claim 24, wherein:

at least a portion of the other of said first and second ends of said implant is positioned in a third tunnel formed in a second vertebral body and further comprising a third anchor attaching said implant to the second vertebra; and

at least a portion of the other of said first and second ends of said second implant is positioned in a fourth tunnel formed in the second vertebral body and further comprising a fourth anchor attaching said second implant to the second vertebra.

- 27. (Original) The system of claim 26, wherein said implant and said second implant are parallel to one another.
- 28. (Original) The system of claim 26, wherein said implant and said second implant cross over one another.
- 29. (Original) The system of claim 26, wherein each of said at least one anchor, said second anchor, said third anchor and said fourth anchor are interference screws position in

respective ones of the tunnel, the second tunnel, the third tunnel, and the fourth tunnel in

engagement with the respective ends of said implant and said second implant.

30. (Original) The system of claim 1, further comprising:

a second tunnel formed in the first vertebral body and spaced from the tunnel;

a third tunnel extending through a second vertebral body from a first opening adjacent

one endplate of the second vertebral body to a second opening adjacent the one endplate of the

second vertebral body, wherein said implant extends through the third tunnel and at least a

portion of the other of said first and second ends is positioned in the second tunnel, and further

comprising a second anchor engaged to the first vertebral body attaching said other end of said

implant to the first vertebral body.

31. (Original) The system of claim 1, wherein the tunnel extends between a first opening

adjacent an endplate of the first vertebral body and a second opening adjacent the endplate of the

first vertebral body, and further comprising a second tunnel extending through a second vertebral

body from a third opening adjacent one endplate of the second vertebral body to a fourth opening

adjacent the one endplate of the second vertebral body, wherein said implant extends through the

second tunnel and the other of said first and second ends extends into the first tunnel and

overlaps said one end of said implant attached to the first vertebral body.

32. (Original) The system of claim 1, further comprising a notch formed in the first

vertebral body, the tunnel extending from an opening formed in the notch, wherein said at least

one anchor is positioned in the notch.

33. (Original) The system of claim 1, wherein said at least one anchor extends along said

one end of said implant.

34. (Original) The system of claim 1, wherein said at least one anchor intersects said one

end of said implant.

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35. (Original) The system of claim 1, wherein said at least one anchor is attached to said one end of said implant.

36. (Original) The system of claim 1, further comprising a second tunnel formed in the first vertebral body spaced from the tunnel, and wherein said one end of said implant has a second portion positionable in the second tunnel and attached thereto with a second anchor engaged to the first vertebral body.

37. (Original) The system of claim 1, wherein said implant comprises a substantially inelastic material.

38. (Original) The system of claim 1, wherein said implant comprises a substantially flexible material.

Claims 39-77 (Cancelled)

78. (New) A spine stabilization system, comprising:

an implant having a first end and an opposite second end, at least a portion of one of said first and second ends being positionable in a tunnel formed in a first vertebral body; and

at least one anchor engageable to the first vertebral body for attaching said one of said first and second ends of said implant to the first vertebral body, wherein when in the tunnel said one of said first and second ends of said implant extends along an angle relative to the axial plane of the spinal column in the range of about 0 degrees to about 80 degrees.

79. (New) The system of claim 78, wherein said at least one anchor is embeddable in the tunnel in engagement with said one of said first and second ends.

80. (New) The system of claim 78, wherein the other of said first and second ends of said implant is positionable in a second tunnel formed in a second vertebral body and further comprising a second anchor engageable to the second vertebral body in the tunnel for attaching

said implant to the second vertebral body.

81. (New) The system of claim 80, wherein when in the second tunnel the other of

the first and second ends extends in a direction opposite the one of the first and second ends in

the tunnel at an angle relative to the axial plane of the spinal column in the range of about 0

degrees to about 80 degrees, the angles of the first and second ends being measured from an axial

plane between the vertebral bodies.

82. (New) The system of claim 81, wherein said angles are in the range of about 25

degrees to about 65 degrees.

83. (New) The system of claim 80, further comprising a device positionable in a

spinal disc space between the first vertebral body and the second vertebral body.

84. (New) The system of claim 80, wherein said at least one anchor is selected from

the group consisting of: an interference screw, a suture anchor, a button, a spiked washer, and a

pin fastener.

85. (New) The system of claim 80, wherein said implant is an artificial ligament.

86. (New) The system of claim 85, wherein said artificial ligament extends along

anterior faces of the first vertebral body and the second vertebral body when positioned in the

tunnels.

87. (New) The system of claim 78, wherein said at least one anchor extends along

said one of said first and second ends of said implant when engaged thereto.

88. (New) The system of claim 78, wherein said at least one anchor is attached to

said one of said first and second ends of said implant.

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89. (New) The system of claim 78, wherein said implant comprises a substantially inelastic material.

90. (New) The system of claim 78, wherein said implant comprises a substantially flexible material.

91. (New) A spine stabilization system, comprising:

an implant having a flexible, conformable body extending between a first end and an opposite second end, at least a portion of one of said first and second ends being adapted for positioning in a tunnel formed in a first vertebral body; and

at least one anchor engageable to the first vertebral body for attaching said one of said first and second ends of said implant to the first vertebral body, wherein when in the tunnel said one of said first and second ends forms an angle relative to the axial plane of the spinal column and said at least one anchor is positionable in the tunnel in engagement with the respective end of the implant.

92. (New) The system of claim 91, wherein said angle is in the range of about 25 degrees to about 65 degrees.

93. (New) The system of claim 91, wherein the other of said first and second ends of said implant is positionable in a second tunnel formed in a second vertebral body and further comprising a second anchor engageable to the second vertebral body for attaching said implant to the second vertebral body.

94. (New) The system of claim 93, wherein when in the second tunnel the other of said first and second ends of said implant extends in a direction opposite the one of the first and second ends in the tunnel and said other of said first and second ends extends at an angle relative to the axial plane of the spinal column, the angles of the first and second ends being measured from an axial plane between the vertebral bodies.

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95. (New) The system of claim 94, wherein the angle of the first and second ends relative to the axial plane is in the range from about 25 degrees to about 65 degrees.

96. (New) The system of claim 93, further comprising a device positionable in a spinal disc space between the first vertebral body and the second vertebral body.

97. (New) The system of claim 93, wherein said body extends along anterior faces of the first vertebral body and the second vertebral body when said first and second ends are positioned in respective ones of said tunnels.